



TECHNICAL SERVICE BULLETIN

5.0L - Illuminated Malfunction Indicator Lamp (MIL) With Diagnostic Trouble Codes (DTCs) P0390 And/Or P0394

18-2360
03 December
2018

Model:

Ford
2018 F-150
2018-2019 Mustang

Issue: Some 2018 F-150 and 2018-2019 Mustang vehicles equipped with a 5.0L engine may exhibit an illuminated MIL with DTCs P0390 and/or P0394 stored in the powertrain control module (PCM).

Action: Follow the Service Procedure steps to correct the condition.

Parts

Part Number	Description	Quantity
HL3Z-6M280-A	Exhaust VCT Oil Control Solenoid	1
JL3Z-6584-D	Valve Cover Gasket (Left Side)	1
HL3Z-6C535-A	Valve Cover Spark Plug Seal	1
BR3Z-6C535-A	VCT Solenoid Valve Cover Seal	1
W712334-S440	Strut Tower Brace Nut	4
TA-30	Motorcraft® Silicone Gasket and Sealant	1
ZC-30-A	Motorcraft® Silicone Gasket Remover	1
ZC-31-B	Motorcraft® Metal Surface Prep Wipes	1
PM-4-A	Motorcraft® Metal Brake Parts Cleaner (All Markets Except Canada)	1
PM-4-B	Motorcraft® Metal Brake Parts Cleaner (Canada Only)	1

Warranty Status: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

Labor Times

Description	Operation No.	Time
2018 F-150 5.0L Engine: Retrieve DTCs And Replace The Bank 2 Exhaust VCT Oil Control Solenoid (Do Not Use With Any Other Labor Operations)	182360A	1.3 Hrs.
2018-2019 Mustang 5.0L Engine: Retrieve DTCs And Replace The Bank 2 Exhaust VCT Oil Control Solenoid (Do Not Use With Any Other Labor Operations)	182360B	2.0 Hrs.

Repair/Claim Coding

Causal Part:	6M280
Condition Code:	42

Tool List - All Models

Drive	Tool Name
1/4"	Power Tool
1/4"	Torque Wrench

Drive	Tool Name
1/4"	Ratchet
1/4"	7 mm Deep Socket
1/4"	8 mm Deep Socket
1/4"	10 mm Deep Socket
	Trim Tool
	Plastic Scraper
	Blow Gun
	Essential Special Service Tool 205-142
	Essential Special Service Tool 205-153
	Essential Special Service Tool 303-1247

Tool List - Mustang Only Additional Tools

Drive	Tool Name
3/8"	Power Tool
3/8"	Torque Wrench
3/8"	Ratchet
3/8"	10 mm Deep Socket
3/8"	13 mm Deep Socket
3/8"	15 mm Deep Socket
	Pocket Screwdriver
	2 Jaw Puller

Service Procedure

- Using the appropriate Ford diagnostic scan tool or equivalent, retrieve DTCs. Are DTCs P0390 and/or P0394 the only DTCs stored in the PCM?
 - Yes - proceed to Step 2.
 - No - this article does not apply. Refer to the Powertrain Controls/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.
- Replace the bank 2 exhaust variable camshaft timing (VCT) oil control solenoid. Refer to Workshop Manual (WSM), Section 303-14.

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